

CONTACTS

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SKILLS

- JavaScript:
- API Development:
- Responsive Design:
- Version Control:
- Debugging:
- Continuous Integration:
- Containerization:
- Agile Methodology:
- AI Engineering:
- TypeScript:
- React:
- Angular:
- VueJS:
- Python:
- PHP:
- Node.js:
- RESTful APIs:
- CSS:
- Version control:
- Database management:
- Responsive design:
- Agile methodologies:

Artur Serra

Software Engineer

PROFESSIONAL SUMMARY

Software engineer specializing in JavaScript and API development to build responsive, scalable web applications. Proficient in TypeScript, React, and containerization techniques to streamline deployment and enhance system reliability. Focused on leveraging agile methodologies and AI engineering to drive innovation and deliver impactful technology solutions.

WORK EXPERIENCE

Doutor Finanças

Portugal

Fullstack Web Developer

Dec 2024 — Dec 2025

- Designed and implemented custom WordPress/ACF Gutenberg blocks (sliders, tables, simulators, metrics/awards blocks, maps, etc.) using PHP, JavaScript, SCSS, Tailwind, and Swiper, ensuring responsive layouts, equal-height card structures, and pixel-accurate Figma implementation.
- Built and optimized interactive frontend components such as tooltips, gallery sliders, Euribor/financial tables, search & filter UIs, and Leaflet-based maps, focusing on performance, accessibility, and clean BEM-style architectures.
- Developed fullstack features for internal tools and simulators by integrating REST APIs, handling complex form logic (Formik, custom hooks, validation, URL state sharing), and working across Next.js/React/TypeScript and backend endpoints to deliver production-ready flows (e.g., reservation and pre-check-in systems).
- Improved code quality and maintainability by refactoring legacy JavaScript/jQuery, resolving Git merge/rebase conflicts, tightening CSS specificity without regressions, and aligning implementations with design systems, Core Web Vitals, and project conventions.
- Developed AI-first engineering workflows, creating Python-based agent loops (litellm, Tavily, Colab) to automate research, code assistance, and documentation, improving DevEx and maintenance of legacy code.

Freelance

Portugal

Frontend Developer

Jun 2024 — Dec 2024

- Built and shipped production-ready web and mobile applications for startups and digital agencies using Ionic, Vue.js, React, TypeScript, and JavaScript, focusing on clean, maintainable code.
- Implemented reusable UI components and front-end architectures aligned with design systems and best practices, improving development speed and consistency across projects.
- Set up and maintained CI/CD pipelines (build, test, deploy) to streamline releases, reduce regressions, and ensure reliable delivery to staging and production environments.
- Followed modern frontend engineering practices (version control with Git, code reviews, automated testing, performance tuning, and documentation), contributing to higher code quality and team productivity.

Euroconsumers

Portugal

Frontend Engineer

Jul 2023 — Jun 2024

- Developed and maintained responsive, user-friendly interfaces for Euroconsumers' digital platforms using JavaScript, CSS, and Liquid, improving usability and consistency across multiple markets.
- Collaborated with cross-functional, international teams (design, product, backend) to deliver new features end-to-end, from technical scoping to implementation and refinement.

- Helped define and implement Core Web Vitals standards across the website, contributing to measurable improvements in performance, stability, and perceived load time.
- Optimized front-end code and assets to enhance page speed, accessibility, and SEO, ensuring a smoother experience for users and better technical quality of the overall solution.

Freelance

Brazil

Software Engineer

Oct 2022 — Feb 2023

- Developed a web-based 3D interactive mapping application for farmers as a freelance fullstack developer at Monogreen, using React, Node.js, TypeScript and CSS.
- Leveraged Three.js, Blender and QGIS to model and render 3D geographic data, creating visually rich and intuitive map experiences in the browser.
- Integrated and consumed data from multiple external APIs to provide farmers with up-to-date, actionable information on their land and resources.
- Collaborated on the product's UX and data presentation, translating complex spatial and agricultural data into clear, informative visualizations tailored to non-technical users.
- Refactored legacy codebases to improve maintainability and reduced debugging time, leading to faster feature deployment and enhanced system stability.

DigitalNINJA

Romania

Fullstack Web Developer

Oct 2021 — Oct 2022

- Worked with an international team to develop and maintain multiple high-performing eCommerce experiences, handling over 15,000 monthly users and resulting in a boost in revenue of over 100,000\$ per year.
- Utilized NodeJS, ExpressJS, GraphQL, and TypeScript to create APIs that improved the commercial pipeline and increased store owners' productivity and delivery services.
- Developed storefronts using ReactJS and TypeScript, resulting in improved performance.
- Demonstrated strong teamwork skills and the ability to work effectively in an asynchronous team environment with developers from different countries

Monogreen

Brazil

Software Engineer

Jan 2021 — Oct 2021

- Engineered scalable backend services that improved system reliability and reduced downtime, enhancing overall application stability.
- Optimized database queries to accelerate data retrieval times, resulting in faster user response and increased application throughput.
- Implemented design system focused frontends using React and TypeScript.
- Implemented automated testing with Jest that increased code coverage and minimized production defects, boosting software quality.
- Refined CI/CD pipelines to streamline release processes, reducing deployment errors and accelerating time-to-market.

Freelance

Brazil

Web Developer

Apr 2020 — Nov 2021

- Developed responsive web interfaces that improved user navigation and enhanced overall customer engagement across multiple devices, using React and JavaScript.
- Optimized backend processes in NodeJS to increase application reliability and reduce server response times, ensuring consistent uptime.
- Implemented automated testing protocols in Jest to maintain code quality and minimize deployment errors, improving release stability.
- Refined database queries and indexing strategies to boost data retrieval efficiency and support seamless user interactions.
- Engineered responsive web interfaces that enhanced user engagement and accessibility across diverse devices, contributing to increased client

satisfaction and retention.



EDUCATION

Jan 2019 - Dec 2021

Bachelor, FIAP | São Paulo

Apr 2020 - Jul 2020

Bootcamp, Ironhack | Portugal

Jan 2021 - Jan 2022

MBA, FIAP | São Paulo

Feb 2023 - Apr 2023

Solidity Bootcamp, Encode | London



LANGUAGES

Portuguese	Native	English	C2 - Proficiency
German	C1 - Advanced		